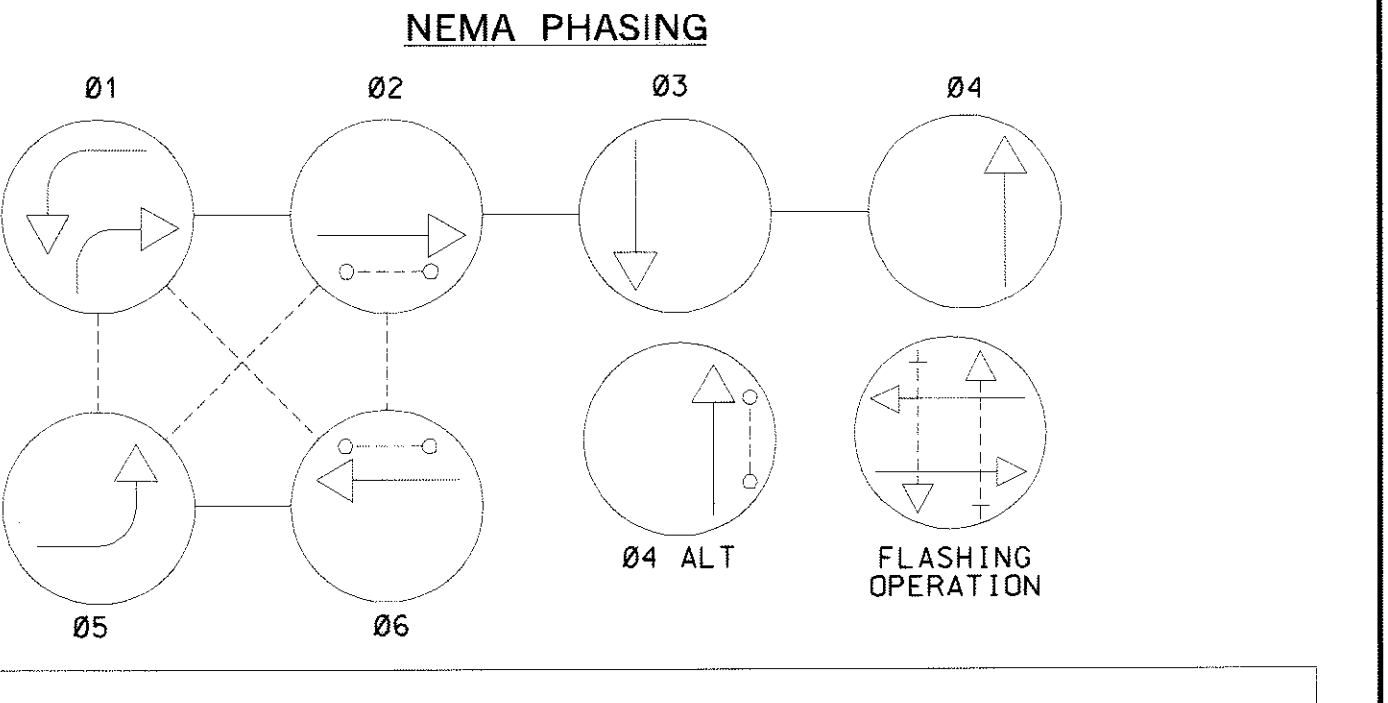
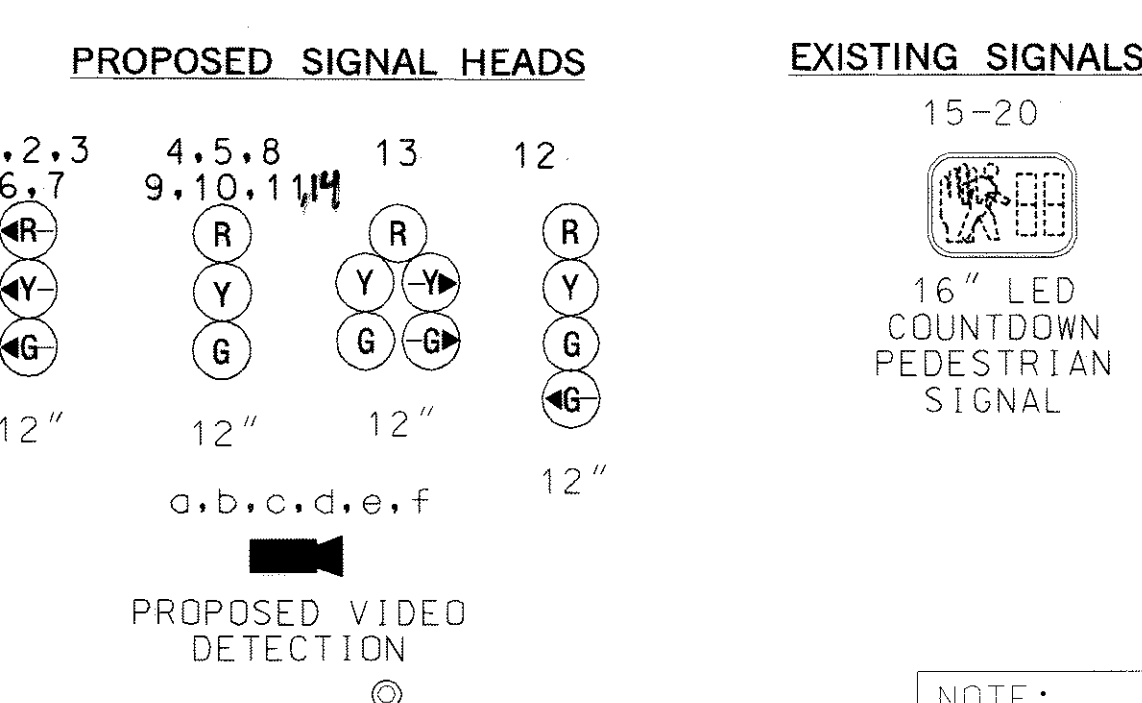
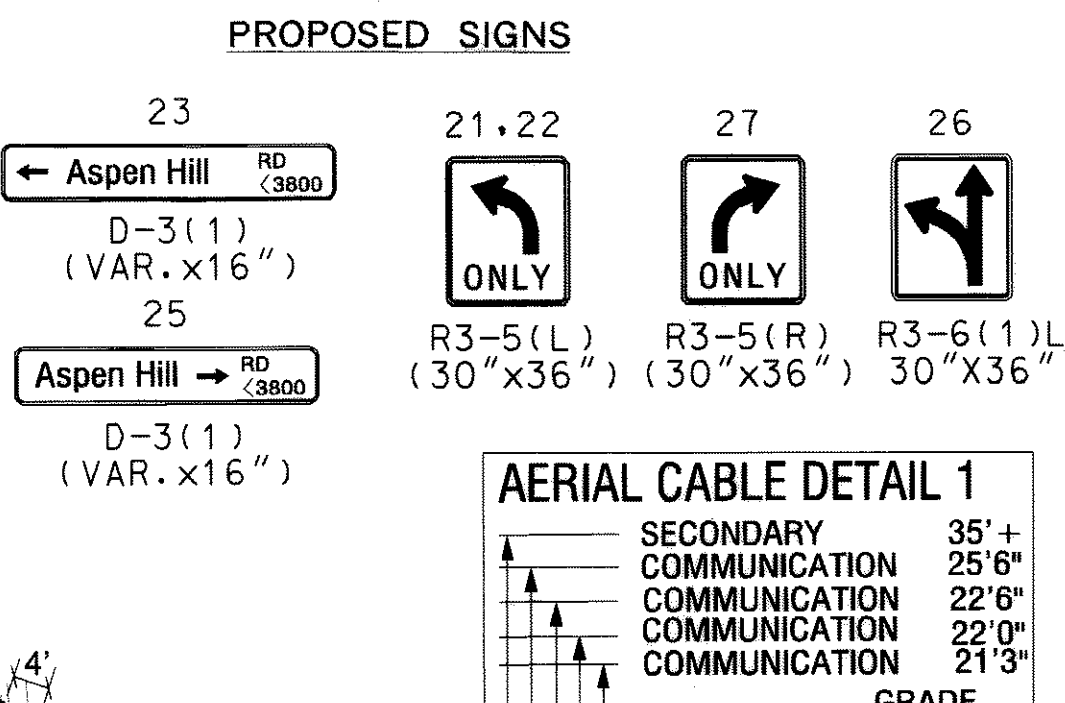
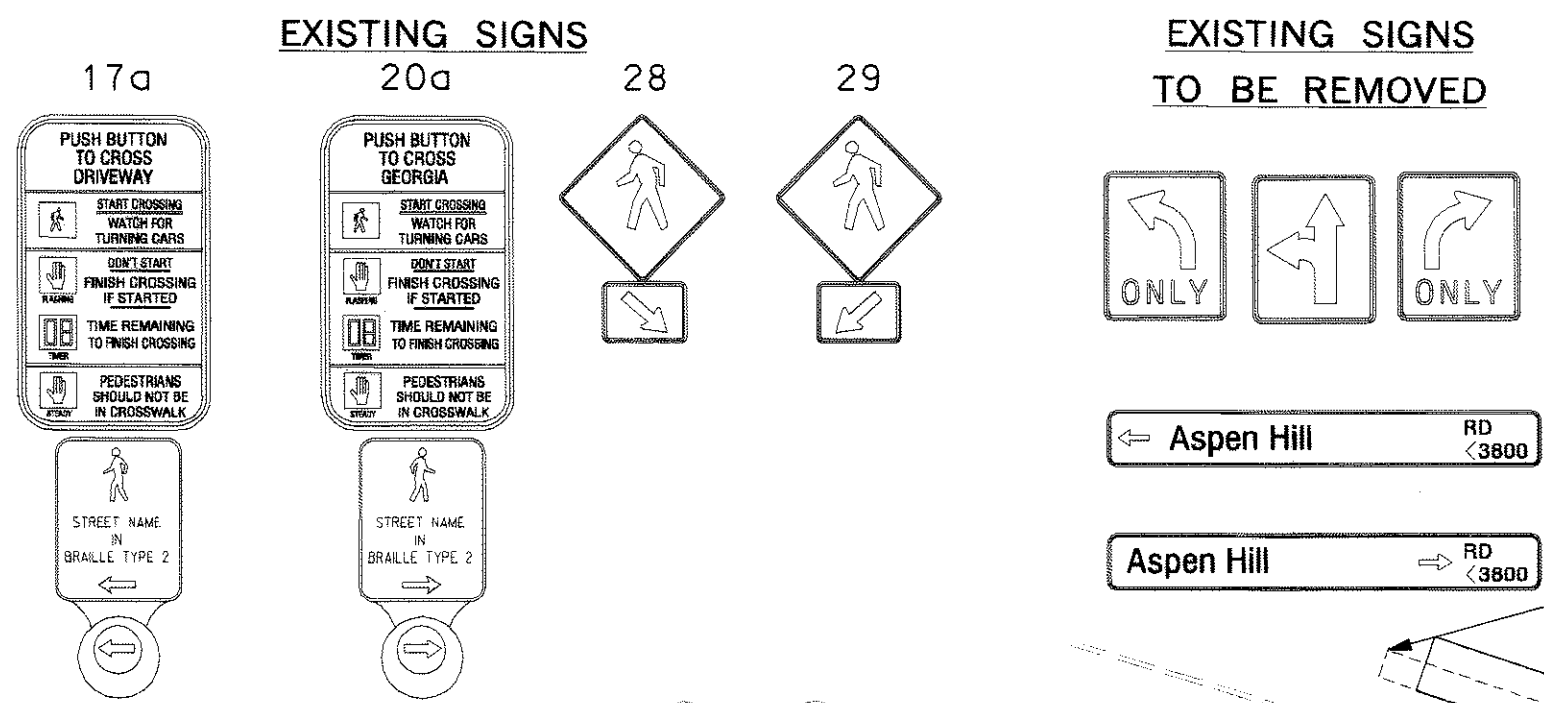
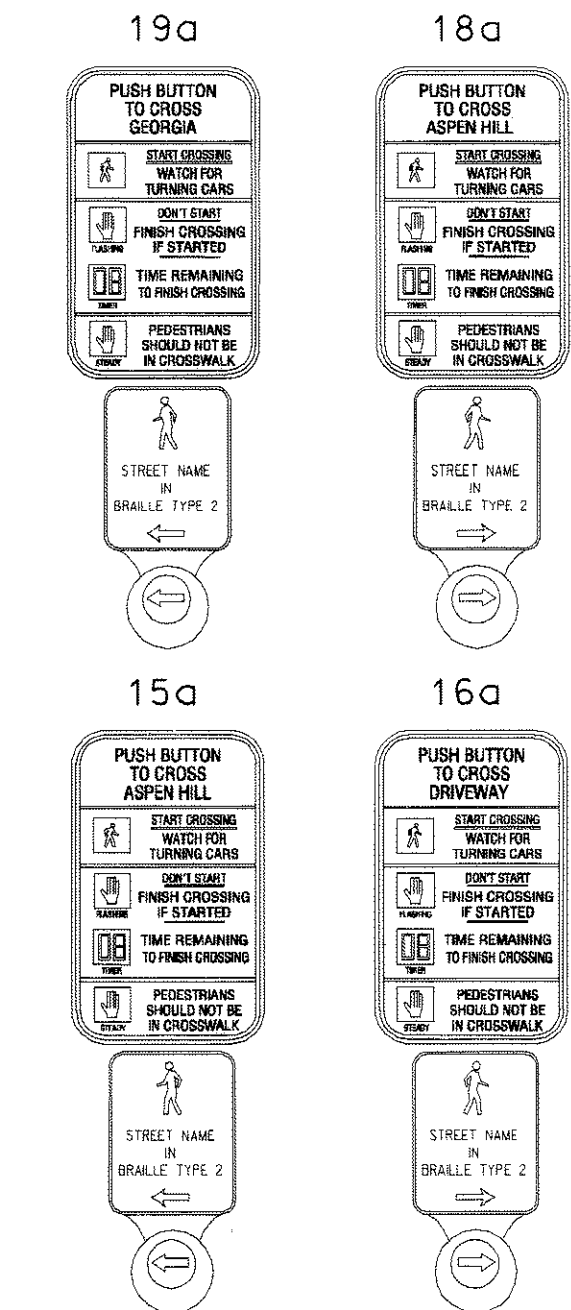


NOTE: MD 97 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.



CONSTRUCTION DETAILS

- PULL BACK EXISTING CABLES FOR SIGNAL 15 FROM THE EXISTING CABINET TO THIS HANDHOLE AND REROUTE TO THE NEW CABINET.
- PULL BACK EXISTING CABLES FOR SIGNALS 18 & 19 FROM THE EXISTING CABINET TO THIS HANDHOLE AND REROUTE TO THE NEW CABINET.
- INSTALL HANDHOLE.
- INSTALL 12 INCH WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR CROSSWALK.
- INSTALL 24 INCH WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
- INSTALL CONCRETE FOUNDATION WITH 27 FT. STEEL POLE WITH TRIPLE FLANGE PLATES WITH A 50 FT. MAST ARM AND A 38 FT. MAST ARM CUT TO 10 FT. WITH SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERA, 20 FT. LIGHTING ARM AND 250 WATT HPS LUMINAIRE. (NOTE: ONE 4 IN. PVC SCHEDULE 80 CONDUIT BEND) STA. 396+69, 14' RT. MONTGOMERY COUNTY FORCES WILL INSTALL THE SURVEILLANCE CAMERA CABINET ON THE POLE.
- INSTALL CONCRETE FOUNDATION WITH 27 FT. STEEL POLE WITH TWIN 50 FT. MAST ARMS WITH SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERA, 20 FT. LIGHTING ARM AND 250 WATT HPS LUMINAIRE. (NOTE: ONE 4 IN. PVC SCHEDULE 80 CONDUIT BEND) STA. 395+51, 6' LT.
- REMOVE THE EXISTING FOUNDATION, PEDESTAL POLE, SIGNAL HEADS, AUDIBLE TACTILE PEDESTRIAN PUSHBUTTON STATION, R10-3(1) SIGN AND INSTALL CONCRETE FOUNDATION WITH SPECIAL "T" POLE WITH 38 FT. MAST ARM WITH SIGNAL HEADS AND VIDEO DETECTION CAMERA. INSTALL THE PREVIOUSLY REMOVED 16 INCH LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, AUDIBLE TACTILE PEDESTRIAN PUSHBUTTON STATION, AND R10-3(1) SIGN. (NOTE: ONE 4 IN. PVC SCHEDULE 80 CONDUIT BEND) STA. 395+73, 71' RT.
- INSTALL A NEMA SIZE 6 BASE MOUNTED CABINET AND CONTROLLER WITH VIDEO INTERFACE EQUIPMENT. (NOTE: TWO-4 IN. PVC. AND TWO-2 INCH PVC. SCHEDULE 80 CONDUIT BENDS). STA. 395+66, 78' LT.
- CAP AND ABANDON EXISTING CONDUIT.
- INSTALL TWO-4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUITS - SLOTTED
- INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.

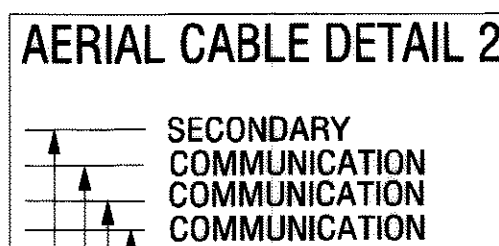
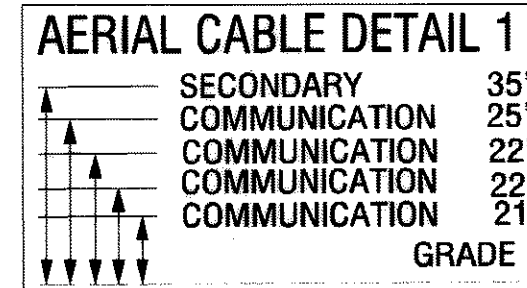
GEOMETRIC LEGEND

EXISTING
PROPOSED

UTILITY LEGEND

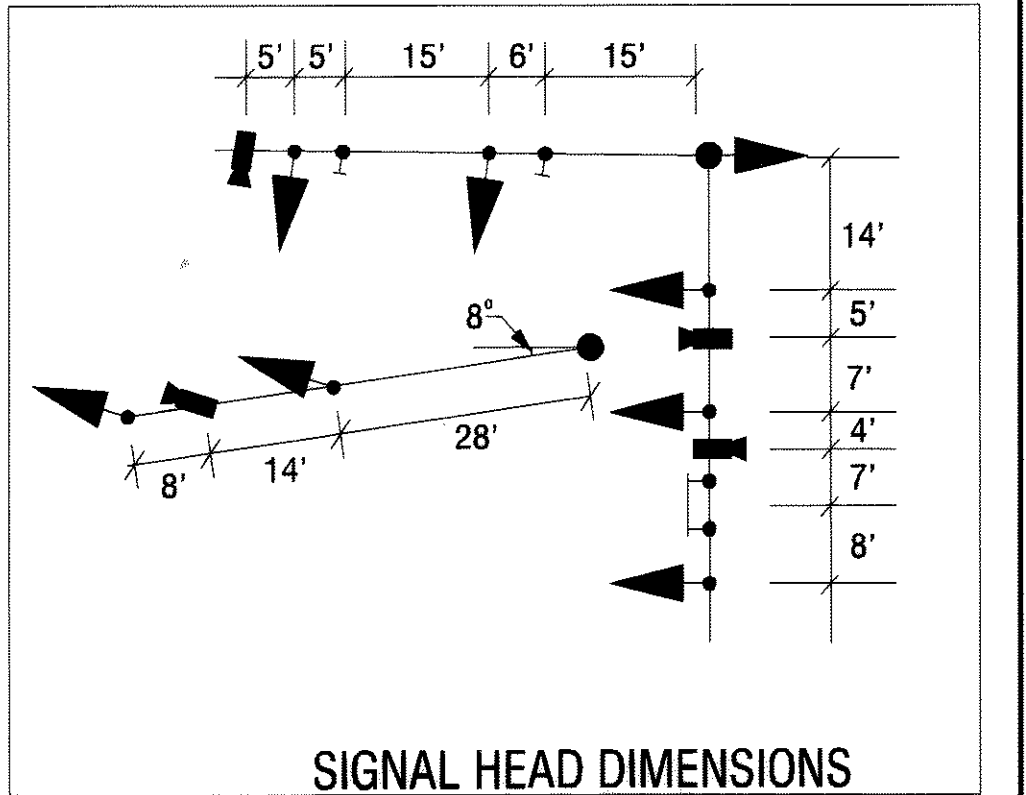
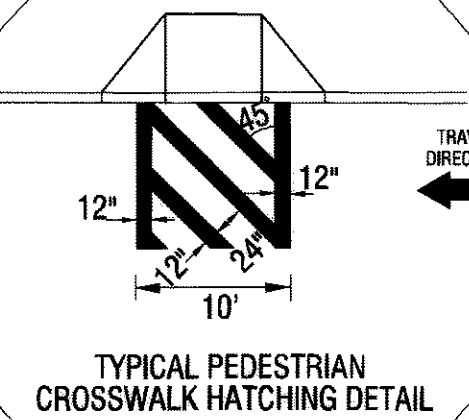
SD STORM DRAIN
GAS MAIN
WATER MAIN
SEWER MAIN
ELECTRIC CABLES
AERIAL CABLES
TELEPHONE CABLES
FIBER-OPTIC

- INSTALL TWO 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUITS - BORED.
- INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- INSTALL 200 AMP METERED SERVICE PEDESTAL.
- INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT FOR ELECTRICAL SERVICE - TRENCHED. STUB OUT CONDUIT BEND AT BASE OF UTILITY POLE WITH 3 RUNS OF 1-CONDUCTOR 250 KCMIL COILED 30 FT.
- REMOVE EXISTING POLE AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL, AFTER NEW SIGNAL IS OPERATIONAL.
- REMOVE EXISTING SPANWIRE AND ALL ASSOCIATED EQUIPMENT.
- EXISTING SURVEILLANCE CAMERA TO BE RELOCATED BY OTHERS. CONTACT MIKE KINNEY OF MONTGOMERY COUNTY 2 WEEKS IN ADVANCE BEFORE BEGINING ANY WORK IN RELOCATING THE SURVEILLANCE CAMERA.
- REMOVE EXISTING CONTROLLER AND CABINET.
- REMOVE ALL LOOP WIRES FROM EXISTING HAND HOLES AND CONDUITS AND ABANDON EXISTING LOOPS.
- ADJUST THE GRADE OF EXISTING HANDHOLE.
- REMOVE EXISTING SPLICE CABINET AND INSTALL NEW MONTGOMERY COUNTY SUPPLIED SPLICE CABINET. STUB UP CONDUIT TO SPLICE BOX.
- REMOVE EXISTING HANDHOLE AND BACKFILL 12 INCHES BELOW GRADE.



CONSTRUCTION DETAILS

- MAINTAIN EXISTING CONDUIT.
- MODIFY THE 16 INCH LED COUNTDOWN PEDESTRIAN HEAD TO A SIDE MOUNT ON THE 10 FT. POLE AND ADD SIGNAL HEAD 14 AS A POST MOUNT.
- USE EXISTING HANDHOLE.
- INSTALL GROUND MOUNTED SIGN USING ONE 4 IN. X 6 IN. WOOD SUPPORT.
- INSTALL GROUND MOUNTED SIGN USING TWO 4 IN. X 6 IN. WOOD SUPPORTS.
- INSTALL GROUND MOUNTED SIGN USING ONE 4 IN. X 4 IN. WOOD SUPPORT.



SHA STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF TRAFFIC & SAFETY TRAFFIC ENGINEERING DESIGN DIVISION MD 97 (GEORGIA AVENUE) AND ASPEN HILL ROAD ASPEN HILL, MARYLAND	
TRAFFIC SIGNAL PLAN	
SCALE 1"=20'	DATE 8-20-82 CONTRACT NO. M-697-501-377
DESIGNED BY J.HOYAS	COUNTY MONTGOMERY
DRAWN BY J.HOYAS	LOGMILE 15009706.75
CHECKED BY J.HOYAS	T.I.M.S. NO. J203
F.A.P. NO.	TOD NO.
TS NO. 32 H	DRAWING pSG OF P002 SHEET NO. 34C OF 58F

SABRA, WANG & ASSOCIATES, INC.
1504 JOH AVENUE
SUITE 180
BALTIMORE, MD 21227
(410) 737-6564
WWW.SABRA-WANG.COM

PLOTTED: Thursday, January 15, 2009 AT 02:18 PM
FILE: R:\2009\08 BGS 2005-10D PREL ENG DES SVC WPA \$200K\Task 21\DWG\SIGNALS\SIGNAL REBUILD\pSG-P002_MD97.dgn